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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/426,878	10/26/1999	JUN HORIYAMA	35.C13969	2477

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EXAMINER
NGUYEN, PHUOC H

ART UNIT	PAPER NUMBER
2152	

DATE MAILED: 05/06/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PRH

Office Action Summary	Application No. 09/426,878	Applicant(s) HORIYAMA, JUN	
	Examiner Phuoc Nguyen	Art Unit 2158	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____ .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-23 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-23 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Title

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –

3. Claim 1-7, and 9-23 rejected under 35 U.S.C. 102(e) as being anticipated by Maniwa U.S. Patent 5,933,584.

Regarding to claim 1,6,10,15,17, and 22, Maniwa reference discloses transfer means for, when said font data is registered from said host computer into the memory of said printing apparatus, sending said font data and font registration information regarding said printing apparatus to at least one of the other host computer and the memory of said printing apparatus (col. 14, lines 7-8 and 20-22); referring means for referring to said sent font registration information in the case where said host computer prints by using said printing apparatus (col. 14, lines 9-12); discriminating means for discriminating whether a printing apparatus name and a font name which are required by the host computer to print by using said printing apparatus exist in said referred font registration information or not (col. 14, lines 13-15); and printing means for, when it is determined that they exist, performing the printing process by using the font data registered in the memory of said printing apparatus (col. 14, lines 10-13).

4. Regarding to claim 2,4,11,13,18, and 20, Maniwa reference discloses said transfer means sends said font registration information to said server computer (col 13, lines 18-21), and said referring means refers to said font registration information sent to said server computer (col. 13, lines 21-22).

5. Regarding to claim 3,12, and 19, Maniwa reference discloses further comprising updating means for updating the font registration information sent to said server computer in case of deleting the font data which has already been registered in the memory of said printing apparatus from said host computer (col. 25, 2nd paragraph).

6. Regarding to claim 5,14, and 21, Maniwa reference discloses further comprising updating means for updating the font registration information sent to the other host computer including said server computer in case of deleting the font data which has already been registered in the memory of said printing apparatus from said host computer (col. 25, 2nd paragraph).

7. Regarding to claim 7,16, and 23, Maniwa reference discloses further comprising updating means for updating the font registration information sent to the memory of said printing apparatus and said other host computer in case of deleting the font data which has already been registered in the memory of said printing apparatus from said host computer.

8. Regarding to claim 9, Maniwa reference discloses wherein said host computer and said printing apparatus are connected through a network (col. 4, lines 61-62).

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

10. Claim 8 rejected under 35 U.S.C. 103(a) as being unpatentable over Maniwa in view of Card U.S. Patent 5,887,990.

Maniwa reference discloses the font data and font registration is store in the memory of the printing apparatus, but fail to teach us that the memory of printing apparatus is an external memory annexed to printing apparatus.

Card reference discloses that the memory of printing apparatus is an external memory annexed to printing apparatus (col. 4, lines 6-12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the Card's teaching into Maniwa's method to add in an external memory to the printing apparatus, because the printer does not has enough memory to store all the font files. Therefore, adding the external memory will increase the storing capacity for the font files.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ooishi U.S. Patent 6,243,704 discloses a nonstandard character processing apparatus and system, and computer readable storage medium.

Hiraike U.S. Patent 5,995,718 discloses a processing apparatus which secures an exclusive memory for storing a registered font and method.

Hiraike U.S. Patent 6,310,693 discloses a printing control apparatus and method, and printing system for reducing processing overhead.

Matoba Pub. No.: US 2002/0048034 A1 discloses a printer apparatus, printer system and control method.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuoc Nguyen whose telephone number is 703-305-5315. The examiner can normally be reached on Mon - Fri (7AM - 4PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 703-305-9648. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-9148 for regular communications and 703-746-9148 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-3900.

Phuoc Nguyen
Examiner
Art Unit 2158

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May 2, 2002

DAVID WILEY
PRIMARY EXAMINER